

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1    | 433  | 137/355.16-355.18.<br>ccls.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>11:58 |
| S2    | 121  | 137/355.2.ccls.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:13 |
| S3    | 3    | motor and wireless and<br>S2   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:04 |
| S4    | 734  | 251/129.04.ccls.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:05 |
| S5    | 0    | S1 and S4  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:04 |
| S6    | 1    | S2 and S4  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:04 |
| S7    | 663  | 137/355.16-355.22.<br>ccls.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:49 |
| S8    | 1    | S4 and S7  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:04 |
| S9    | 39   | ("2276714"  <br>"2518990"   "2607360"<br>  "2621870"  <br>"2898605"  <br>"20020166986"  <br>"20030116670"  <br>"2004100493"  <br>"2004217189"  <br>"3011469"   "3471885"<br>  "3910497"  <br>"3911955"   "4142367"<br>  "4186881"  <br>"4276482"   "4276900"<br>  "4352025"  <br>"4392063"   "4488055"<br>  "4533835"  <br>"4538761"   "4588318"<br>  "4731545"  <br>"4746808"   "4839039"<br>  "5078476"  <br>"5249631"   "5385297"<br>  "5402551"  <br>"5427350"   "5445176"<br>  "5495995"  <br>"5813655"   "6036333"<br>  "6092548"  <br>"6279848"   "6283139"<br>  "6337635"  <br>"6491062" | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/13<br>12:13 |

|     |     |   |                              |    |     |                     |
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|     |     | "6752342").PN.  |                              |    |     |                     |
| S10 | 3   | wireless and S7   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/13<br>12:49 |
| S11 | 47  | wireless and S4   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/13<br>12:51 |
| S12 | 8   | ((("3910497") or<br>("3911955") or<br>("6283139") or<br>("6337635") or<br>("6491062") or<br>("6631882") or<br>("6662821") or<br>("5947148")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>12:52 |
| S13 | 124 | ("0845063"  <br>"2315085"   "2963227"<br>  "3017057"  <br>"3165109"   "3234410"<br>  "3322350"  <br>"3372875"   "3410301"<br>  "3410518"  <br>"3440434"   "3460798"<br>  "3565111"  <br>"3574336"   "3600225"<br>  "3635230"  <br>"3653595"   "3658589"<br>  "3699578"  <br>"3726477"   "3732570"<br>  "3805837"  <br>"4012002"   "4014359"<br>  "4066093"  <br>"4187962"   "4306314"<br>  "4592505"  <br>"4595122"   "4632329"<br>  "4722478"  <br>"4838310"   "4852051"<br>  "4858827"  <br>"4892113"   "4962522"<br>  "5135168"  <br>"5137257"   "5208855"<br>  "5240022"  <br>"5263824"   "5427350"<br>  "5431182"  <br>"5465904"   "5546974"<br>  "5588636"  <br>"5654885"   "5655561"<br>  "5813655"  <br>"5921280"   "5931044"<br>  "5967171"  <br>"6065735"   "6082393"<br>  "6098898"  <br>"6119720"   "6147613"<br>  "6170798"  <br>"6176247"   "6186162" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>14:34 |

|     |     |  |                    |    |     |                     |
|-----|-----|--|--------------------|----|-----|---------------------|
|     |     | "6186167"  <br>"6202679"   "6259955"<br>  "6259970"  <br>"6293515"   "6337635"<br>  "6354322"  <br>"6453261"   "6489895"<br>  "D392619"  <br>"RE31204").PN. OR<br>("3910497"  <br>"3911955"   "5947148"<br>  "6283139"  <br>"6337635"   "6491062"<br>  "6631882"  <br>"6662821").URPN. |                    |    |     |                     |
| S14 | 939 | 137/624.11   | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>14:36 |
| S15 | 1   | S7 and S14   | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>14:35 |
| S16 | 597 | (period cycle) same<br>time and S14  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>14:37 |
| S17 | 185 | ((period cycle) same<br>time same actuat\$3)<br>and S14  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>14:40 |
| S18 | 273 | ((period cycle) same<br>time same off) and<br>S14  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:04 |
| S19 | 0   | ((period cycle) same<br>time same off same<br>unattent\$3) and S14   | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:05 |
| S20 | 3   | ((period cycle) same<br>time same off same<br>unattend\$3) and S14   | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:42 |
| S21 | 734 | S4   | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:42 |
| S22 | 0   | (wireless adj reciever)<br>and S4  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:43 |
| S23 | 4   | (wireless adj receiver)<br>and S4  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:44 |
| S24 | 47  | (wireless) and S4  | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13<br>15:44 |

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|-----|-----|---|------------------------------|----|-----|---------------------|
| S25 | 129 | ("2709918"  <br>"3394589"   "3686669"<br>  "3796208"  <br>"3832900"   "3895383"<br>  "3932871"  <br>"3995212"   "4023154"<br>  "4072941"  <br>"4125835"   "4134163"<br>  "4135397"  <br>"4141091"   "4153366"<br>  "4328487"  <br>"4358759"   "4402095"<br>  "4419659"  <br>"4433328"   "4489601"<br>  "4543580"  <br>"4567484"   "4621264"<br>  "4642641"  <br>"4651152"   "4667350"<br>  "4673935"  <br>"4677438"   "4697184"<br>  "4707867"  <br>"4716605"   "4742583"<br>  "4743906"  <br>"4756031"   "4767922"<br>  "4797621"  <br>"4883749"   "4891649"<br>  "4914758"  <br>"4916455"   "4921211"<br>  "4949074"  <br>"4952939"   "4975703"<br>  "4979186"  <br>"4981158"   "4998673"<br>  "5025516"  <br>"5030956"   "5031258"<br>  "5043705"  <br>"5148175"   "5150123"<br>  "5150126"  <br>"5187816"   "5187818"<br>  "5199118"  <br>"5201906"   "5217035"<br>  "5224685"  <br>"5226629"   "5227797"<br>  "5227799"  <br>"5243717"   "5249463"<br>  "5278567"  <br>"5311189"   "5345471"<br>  "5361070"  <br>"5363108"   "5369818"<br>  "5384541"  <br>"5455564"   "5457394"<br>  "5460210"  <br>"5465094"   "5471198"<br>  "5473311"  <br>"5482250"   "5504490" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>17:55 |
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|     |         |   |                              |    |     |                     |
|-----|---------|---|------------------------------|----|-----|---------------------|
|     |         | "5504950"  <br>"5508510"   "5510800"<br>  "5512834"  <br>"5517198"   "5519400"<br>  "5521600"  <br>"5523760"   "5541605"<br>  "5543799"  <br>"5563605"   "5570869"<br>  "5573012"  <br>"5576627"   "5581256"<br>  "5589838"  <br>"5594449"   "5609059"<br>  "5610589"  <br>"5610611"   "5611093"<br>  "5625908"  <br>"5630216"   "5661385"<br>  "5661490"  <br>"5682164"   "5694653"<br>  "5754144"  <br>"5757320"   "5766208"<br>  "5767953"  <br>"5774091").PN. OR<br>("6250601").URPN. |                              |    |     |                     |
| S26 | 1416843 | initial and "7"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>17:56 |
| S27 | 663     | 137/355.16-355.22.<br>ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/13<br>17:56 |
| S28 | 27      | initial and S27   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>17:58 |
| S29 | 77      | (initial start\$3) and<br>S27   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:00 |
| S30 | 54      | (voltage current) and<br>S27  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:23 |
| S31 | 421373  | (higher same initial<br>(voltage current) same<br>motor)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:24 |
| S32 | 0       | (higher adj initial adj<br>(voltage current) same<br>acturate same motor)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:25 |
| S33 | 0       | ((higher adj initial adj<br>(voltage current))<br>same acturate same<br>motor)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:25 |
| S34 | 12      | ((higher adj initial adj<br>(voltage current))<br>same motor)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>18:29 |

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|-----|-------|---|------------------------------|----|-----|---------------------|
| S35 | 50    | ((higher adj (initial start \$3) adj (voltage current)) same motor) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>11:41 |
| S36 | 38    | ((higher adj (start\$3) adj (voltage current)) same motor)          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:06 |
| S37 | 1     | ((higher adj (start\$3) adj (power)) same motor)                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:01 |
| S38 | 0     | ((higher adj (init\$4) adj (power)) same motor)                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:01 |
| S39 | 0     | ((higher adj (initial) adj (power)) same motor)                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:01 |
| S40 | 110   | ((initiate) adj (voltage current)) same motor                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:07 |
| S41 | 0     | (higher adj (initiate) adj (voltage current)) same motor            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:07 |
| S42 | 9     | (higher same (initiate) adj (voltage current)) same motor           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/13<br>19:07 |
| S43 | 1     | "6668329"   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/20<br>10:55 |
| S44 | 3     | ((("6668329") or ("5651384") or ("6144840")).PN.                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>11:02 |
| S45 | 62617 | operational adj amplifier   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/22<br>15:59 |
| S47 | 4     | keasel and S46  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/20<br>11:30 |
| S48 | 244   | 251/129.05.ccls.  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/09/20<br>11:40 |
| S49 | 0     | ((higher adj (initial start \$3) adj (voltage current)) and S48)    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>11:41 |
| S50 | 0     | ((higher adj (initial start \$3) adj (voltage current))) and S48    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>11:41 |
| S51 | 8     | ((initial start\$3) adj (voltage current))) and S48                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>16:15 |

|     |     |   |                              |    |     |                     |
|-----|-----|---|------------------------------|----|-----|---------------------|
| S52 | 46  | "2276714"  <br>"2518990"   "2607360"<br>  "2621870"  <br>"2898605"  <br>"20020166986"  <br>"20030116670"  <br>"2004100493"  <br>"2004217189"  <br>"3011469"   "3471885"<br>  "3910497"  <br>"3911955"   "4142367"<br>  "4186881"  <br>"4276482"   "4276900"<br>  "4352025"  <br>"4392063"   "4488055"<br>  "4533835"  <br>"4538761"   "4588318"<br>  "4731545"  <br>"4746808"   "4839039"<br>  "5078476"  <br>"5249631"   "5385297"<br>  "5402551"  <br>"5427350"   "5445176"<br>  "5495995"  <br>"5813655"   "6036333"<br>  "6092548"  <br>"6279848"   "6283139"<br>  "6337635"  <br>"6491062"  <br>"6752342").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/09/20<br>16:15 |
| S53 | 1   | operational adj<br>amplifier and<br>137/355.2   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/22<br>15:59 |
| S54 | 1   | operational adj<br>amplifier and<br>137/355.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/22<br>15:59 |
| S55 | 314 | operational adj<br>amplifier and "137"/\$.<br>ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/22<br>16:00 |
| S56 | 39  | operational adj<br>amplifier and "137"/\$.<br>ccls. and receiver and<br>signal  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/22<br>16:00 |
| S57 | 666 | 137/355.16-355.22.<br>ccls.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/03/26<br>11:15 |
| S58 | 32  | wind and unwind and<br>S57  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/26<br>11:17 |
| S59 | 23  | wind and unwind and<br>S57 and motor  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/26<br>11:28 |

|     |    |   |                              |    |     |                     |
|-----|----|---|------------------------------|----|-----|---------------------|
| S60 | 11 | wind and unwind and<br>S57 and motor and<br>remote  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/26<br>11:54 |
| S61 | 16 | ("2509570"  <br>"2513455"   "2735589"<br>  "3638840"  <br>"4109831"   "4815637"<br>  "4969577"  <br>"5529226"   "5612890"<br>  "5621890"  <br>"5810213"   "5873500"<br>  "6394365").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/03/26<br>11:54 |
| S62 | 0  | (power adj sav\$3) with<br>(repeat\$3 (on and off))<br>with unpower with<br>control\$3  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/02/06<br>13:20 |
| S63 | 55 | (power adj sav\$3) with<br>(repeat\$3 (on and off))<br>with control\$3  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/02/06<br>13:20 |
| S64 | 1  | "20040231723"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/02/06<br>16:54 |

10/ 24/ 2008 2:42:34 PM

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